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Software Development 1

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Lab UML Diagrams

10.3

MyInteger
- value:int
+ getValue(): int + isEven(): boolean + isOdd(): boolean + isPrime(): boolean + <u>isEven(int value): boolean</u> + <u>isOdd(int value): boolean</u> + <u>isPrime(int value): boolean</u> + <u>isEven(MyInteger myInt): boolean</u> + <u>isOdd(MyInteger myInt): boolean</u> + <u>isPrime(MyInteger myInt): boolean</u> + equals(int myInt): boolean + equals(MyInteger myInt): boolean + <u>parseInt(char[] charArray): boolean</u> + <u>parseInt(String numString): boolean</u>

10.5

StackOfIntegers
- elements: int[] - size:int
+ empty(): boolean + peak(): int + push(int value): void + pop(): int + getSize(): int +

10.9

Course
<ul style="list-style-type: none"> - courseName: String - students: String[] - numberOfStudents: int
<ul style="list-style-type: none"> + addStudent(String student): void + getStudents(): String[] + getNumberOfStudents(): int + getCourseName(): String + dropStduent(String student): void

10.11

Circle2D
<ul style="list-style-type: none"> - x: double - y: double - radius: double
<ul style="list-style-type: none"> + getX(): double + getY(): double + getRadius(): double + getArea(): double + getPerimeter(): double + contains(double x, double y): boolean + contains(Circle2D circle): boolean - distanceBetweenTwoPoints(double x1, double y1, double x2, double y2): double + overlaps(Circle2D circle): boolean

10.23

MyString2
<ul style="list-style-type: none"> - s: String
<ul style="list-style-type: none"> + compare(String s): int + substring(int begin): MyString2 + toUpperCase(): MyString2 + toChars(): char[] + <u>valueOf</u>(boolean b): MyString2